REMARKS

Reconsideration of the above-identified application in view of the following remarks is respectfully requested.

The Examiner's cooperation during the telephone interview of May 2, 2006 is greatly appreciated.

Claims 1-4, 7, 9-14, 16-18, and 20 have been rejected as anticipated by Chen et al., US 6,842,428. Claims 5, 6, 8, 15, and 19 have been indicated as containing allowable subject matter.

The Examiner's communication of February 23, 2006, together with the references cited therein, have been given careful consideration. After such consideration, and in an earnest effort to complete the prosecution of this application, the Applicants have set down the following arguments in support of the patentability of claims 1-20.

To assist the Examiner in reconsidering this application, the following is a presentation based on the language employed in claim 1 when read on the embodiment presented in Figs. 1-5 herein. Claim 1 recites a system for predictively allocating bandwidth within a wireless network in accordance with a mission plan. The system includes a first team member and a second team member. The first team member predicts subsequent communication demand by the second team member in accordance with the mission plan. The second team member predicts subsequent communication demand by the first team member in

the first team member and a predicted need of the second team member. The second team member is allocated a bandwidth commensurate with a predicted need of the first team member and the second team member.

The Office Action states that devices 102, 104 of Chen et al. are the first and second team members of claim 1 (Office Action, page 2, paragraph 2). However, neither device 102 nor device 104 predict communication demand. The network resource manager 110 of Chen et al. processes information and applies signals to devices 102, 104 (Col. 3, lines 7-19). Certainly, device 102 of Chen et al. does not predict communication demand for device 104 in accordance with a mission plan and device 104 of Chen et al. does not predict communication demand for device 102 in accordance with a mission plan, as would be necessary for Chen et al. to anticipate claim 1. Chen et al. do not even disclose a mission plan.

Claim 2 further recites the first team member and the second team member share a common knowledge of an initial mission plan. Again, Chen et al. disclose no mission plan, no sharing, and no common knowledge.

Claim 9 recites the first team member continuously predicts actions and reactions of the second team member. The network resource manager 110 of Chen et al. performs any functions that might be considered to be this feature.

herein. Claim 11 recites a computer program product for predictively allocating bandwidth within a network in accordance with a mission plan. The computer program product includes: a first instruction for predicting subsequent communication demand by a first team member in accordance with the mission plan; a second instruction for predicting subsequent communication demand by a second team member in accordance with the mission plan; a third instruction for allocating a first bandwidth commensurate with a predicted need of the first team member and a predicted need of the second team member; and a fourth instruction for allocating a second bandwidth commensurate with a predicted need of the first team member and the second team member.

As stated above, the Office Action states that devices 102, 104 of Chen et al. are the first and second team members of claim 11 (Office Action, page 2, paragraph 2). However, neither device 102 nor device 104 predict communication demand. The network resource manager 110 of Chen et al. processes information and applies signals to devices 102, 104 (Col. 3, lines 7-19). Certainly, device 102 of Chen et al. does not predict communication demand in accordance with a mission plan and device 104 of Chen et al. does not predict communication demand in accordance with a mission plan, as would be necessary for Chen et al. to anticipate claim 11. Chen et al. do not even disclose a mission plan.

second team member. Chen et al. do not disclose an initial mission plan or even a mission plan.

To assist the Examiner in reconsidering this application, the following is a presentation based on the language employed in claim 16 when read on the embodiment presented in Figs. 1-5 herein. Claim 16 recites a method for predictively allocating bandwidth within a network in accordance with a mission plan. The method includes the steps of: predicting subsequent communication demand by a first team member in accordance with the mission plan; predicting subsequent communication demand by a second team member in accordance with the mission plan; allocating a first bandwidth commensurate with a predicted need of the first team member and a predicted need of the second team member; and allocating a second bandwidth commensurate with a predicted need of the first team member and the second team member, the sum of the first bandwidth and the second bandwidth being less than or equal to an available amount of bandwidth.

Again as above, the Office Action states that devices 102, 104 of Chen et al. are the first and second team members of claim 16 (Office Action, page 2, paragraph 2). However, neither device 102 nor device 104 predict communication demand. The network resource manager 110 of Chen et al. processes information and applies signals to devices 102, 104 (Col. 3, lines 7-19). Certainly, device 102 of Chen et al.

would be necessary for Chen et al. to anticipate claim 16. Chen et al. do not even disclose a mission plan.

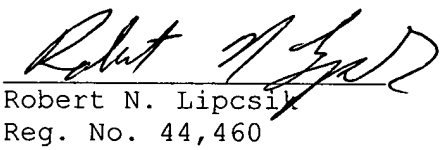
Claim 20 recites the step of continuously predicting actions and reactions of the second team member by the first team member, the first team member communicating with the second team member to determine the accuracy of predictions of the first team member. As stated above, this type of interaction is not contemplated by the devices 102, 104 of Chen et al.

Claims 1, 11, and 16, as well as claims 2-10, 12-15, and 17-20 which depend from claims 1, 11, and 16, respectively, are in condition for allowance.

Allowance of this application is respectfully requested.

Please charge any deficiency or credit any overpayment in the fees for this election to our Deposit Account No. 20-0090.

Respectfully submitted,



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